

INTERNATIONAL SEARCH REPORT

International Application No

T/DK2004/000579

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D498/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 000 338 A (LUNDBECK & CO AS H) 24 January 1979 (1979-01-24) cited in the application	18, 19, 36, 37
A	Compound Va and its conversion to compound Ia (page 12) -----	1, 16, 17, 20, 36, 37
X	DE 31 45 473 A (KEFALAS AS) 26 August 1982 (1982-08-26) example 1 -----	19
X	DATABASE REGISTRY 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; XP002308640 retrieved from STN 85118-32-7 -----	19

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

2 December 2004

Date of mailing of the international search report

16/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.
Fax: (+31-70) 340-3016

Authorized officer

Diederer, J

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-17,20-35

A method of preparing THIP, intermediate 2 and the process to prepare intermediate 2

2. claims: 18,19,36,37

Compounds of Formula (8a) and (8b) and their use in the synthesis of THIP

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

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Information on patent family members

International Application No

PCT/DK2004/000579

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0000338	A 24-01-1979	AT 368505 B AT 448678 A AU 3724478 A AU 521040 B2 AU 3729878 A CA 1107736 A1 CA 1125288 A2 DE 2861342 D1 DK 270278 A DK 270378 A EP 0000167 A1 EP 0000338 A2 EP 0027279 A1 EP 0028017 A1 ES 470912 A1 ES 470913 A1 FI 781954 A , B, FI 781955 A IE 47200 B1 IT 1159739 B JP 54036275 A JP 54036290 A NO 782127 A , B, NO 782128 A NO 792839 A NZ 187615 A US 4301287 A US 4278676 A ZA 7803492 A ZA 7803493 A	25-10-1982 15-02-1982 03-01-1980 11-03-1982 03-01-1980 25-08-1981 08-06-1982 28-01-1982 21-12-1978 21-12-1978 10-01-1979 24-01-1979 22-04-1981 06-05-1981 01-02-1979 01-02-1979 21-12-1978 21-12-1978 11-01-1984 04-03-1987 16-03-1979 16-03-1979 21-12-1978 21-12-1978 21-12-1978 15-12-1981 17-11-1981 14-07-1981 27-06-1979 27-06-1979
DE 3145473	A 26-08-1982	DE 3145473 A1 DK 524281 A FR 2494691 A1 GB 2088370 A , B JP 57118584 A	26-08-1982 28-05-1982 28-05-1982 09-06-1982 23-07-1982